

DOCUMENT-IDENTIFIER: US 6141018 A

TITLE: Method and system for displaying hypertext documents with visual effects

DEPR:

The present invention provides a method and system for providing an animated marquee for display of an arbitrary image as part of a Web page. In one embodiment, the hypertext document that defines the Web page identifies the image to be displayed in a marquee window, identifies the size of the marquee window, and identifies the type of animation to be applied when the image is displayed. The image to be displayed in the marquee window is identified by a URL. The image can be animated by scrolling either in the vertical or horizontal direction. The scroll style can be set to either a circular or a bounce visual effect. When the scroll style is circular one copy of the image is followed by another copy of the image in a continuous manner. When the scroll style is bounce and the leading edge of the image is scrolled so that it intersects a border of the marquee window, the direction of the scroll is reversed so that the image appears to bounce off that border of the marquee window. When scrolled in the reverse direction, the direction of the scrolling is again reversed when the leading edge of the image intersects the other border of the marquee window. The leading edge of the image is the edge that is first in the direction of scrolling. That is, when the image is being scrolled to the left, the leftmost edge of the image is the leading edge. The image can be of arbitrary complexity. Indeed, the image itself can be a hypertext document. Various parameters such as the scroll style, scroll direction, the number of times the image is to be bounced or scrolled, and the speed of the scrolling, can be set for the animated marquee. In

addition, the parameters can be set to indicate whether the URL is to be drawn immediately or progressively, to indicate the amount of wide spaces between successive copies of the image, and to indicate a zoom parameter. The animated marquee can also display a sequence of images rather than just one image. Each image is identified by a URL. When the scroll style is circular, each image is scrolled to follow another image in a continuous manner. When the scroll style is bounce, the user can click on the marquee window to select the next image. The next image is then displayed in the marquee window to replace the previous image.

DEPR:

The LoopsX and LoopsY parameters indicate the number of times the image scrolls or bounces depending on the scroll style. If the LoopsX or LoopsY parameter is set to zero, then the image will "slide." That is, the image will scroll in a certain direction and stop as soon as the leading edge of the image intersects the leading border of the marquee window. If the LoopsX or LoopsY parameters are greater than zero, then after that number of loops, the part of the image that is displayed depends on the scroll style. If the ScrollStyleX parameter is "circular," the very left of the image is aligned with the left of the marquee window. If the ScrollStyleX parameter is "bounce," then the image is positioned where the last bounce occurs. A similar effect occurs in the vertical direction. If the LoopsX or LoopsY parameters are -1, the image scrolls forever.

DEPU:

<PARAM NAME="LoopsX" VALUE=Number of times to scroll>

DETL:

	ATTRIBUTE DESCRIPTION
scroll style:	ScrollStyleX Horizontal

"circular" or "bounce." ScrollStyleY Vertical scroll style:  
"circular" or  
"bounce." ScrollDelay Time in milliseconds between each movement  
of the image  
in the marquee window. LoopsX Number of times the image scrolls  
horizontally  
if ScrollStyleX is "circular," or number of times the image  
bounces  
horizontally if ScrollStyleX is "bounce." LoopsY Number of  
times the image  
scrolls vertically if ScrollStyleY is "circular," or number of  
times the  
image bounces vertically if ScrollStyleY is "bounce."  
ScrollPixelsX Number of  
pixels to move the image horizontally in the marquee window each  
ScrollDelay.  
ScrollPixelsY Number of pixels to move the image vertically in  
the marquee  
window each ScrollDelay. URL URL of the image. DrawImmediately  
Flag  
indicating to progressiveiy render the image. Whitespace Amount  
of white space  
between images. PageFlippingOn If multiple URLs; indicates that  
the next image  
is to be displayed when the marquee window receives a click.  
Zoom Percentage  
of the original size of the image. WidthOffPage Width in pixels  
of the image.

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	Type	L #	Hits	Search Text	DBs	Time Stamp
1	IS&R	L1	12	(( "5841878" ) or ("5625608" ) or ("5893798" ) or ("5602728" ) or ("5047952" ) or ("5317671" ) or ("4768300" ) or ("5388061" ) or ("5826235" ) or ("5890121" ) or ("5892455" ) .PN.	USPAT	2001/04/05 14:24
2	BRS	L3	1284	scroll near10 number	USPAT	2001/04/05 14:25
3	BRS	L2	2935	scroll same number	USPAT	2001/04/05 14:27
4	BRS	L4	0	scroll same "number of times"	USPAT	2001/04/05 14:28
5	BRS	L5	183	scroll same number same times	USPAT	2001/04/05 14:28

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